

# EXHIBIT A

**APPLICATIONS**

Home

Contacts

Phone

Browser

...

**APPLICATION FRAMEWORK**

Activity Manager

Window Manager

Content Providers

View System

Package Manager

Telephony Manager

Resource Manager

Location Manager

Notification Manager

**LIBRARIES**

Surface Manager

Media Framework

SQLite

OpenGL | ES

FreeType

WebKit

SGL

SSL

libc

**ANDROID RUNTIME**

Core Libraries

Dalvik Virtual Machine

**LINUX KERNEL**

Display Driver

Camera Driver

Flash Memory Driver

Binder (IPC) Driver

Keypad Driver

WiFi Driver

Audio Drivers

Power Management